

Public Information Statement
National Weather Service Chicago IL
340 PM CDT Fri Aug 13 2021 /440 PM EDT Fri Aug 13 2021/

...NWS STORM SURVEY FOR THE AUGUST 9, 2021 TORNADO EVENT...

Several miniature supercell thunderstorms developed across northern Illinois during the afternoon of Monday, August 9, 2021. These thunderstorms went on to produce numerous funnel clouds and several tornadoes, mainly west of the Chicago Metropolitan area in DeKalb and Kane Counties. A total of 7 tornadoes were confirmed based on NWS damage surveys and tornado reports relayed to the NWS by storm spotters, law enforcement, and emergency management agencies. Most of these tornadoes were rated EF-0 and EF-1, with the exception of a few brief tornadoes that were rated EF-U since they did not cause damage to currently valid damage indicators. The majority of damage caused by these tornadoes was done to trees, crops, and outbuildings, but some structural damage occurred to a few residences as well.

.North of Esmond Tornado...

Rating:	EF-0
Estimated Peak Wind:	60 mph
Path Length /statute/:	0.1 miles
Path Width /maximum/:	20.0 yards
Fatalities:	0
Injuries:	0
Start Date:	08/09/2021
Start Time:	04:35 PM CDT
Start Location:	5 SW Kirkland / DeKalb County / IL
Start Lat/Lon:	42.0538 / -88.9383
End Date:	08/09/2021
End Time:	04:36 PM CDT
End Location:	5 SW Kirkland / DeKalb County / IL
End Lat/Lon:	42.0538 / -88.9359

Survey Summary:

This brief tornado touched down near Lindenwood and Esmond Roads and produced damage to a farm outbuildings roof. The tornado was likely on the ground for less than one minute.

.South Kirkland Tornado...

Rating:	EF-U
Estimated Peak Wind:	N/A
Path Length /statute/:	1.6 miles
Path Width /maximum/:	25.0 yards
Fatalities:	0
Injuries:	0
Start Date:	08/09/2021
Start Time:	04:41 PM CDT
Start Location:	3 SSW Kirkland / DeKalb County / IL
Start Lat/Lon:	42.0569 / -88.8919
End Date:	08/09/2021
End Time:	04:46 PM CDT
End Location:	2 S Kirkland / DeKalb County / IL
End Lat/Lon:	42.0608 / -88.8610

Survey Summary:

After the tornado that occurred north of Esmond lifted, the same storm produced another brief tornado south of Kirkland. Based on spotter reports, this tornado touched down near Barchard Road and tracked eastward towards Malta Road. The tornado did not maintain ground contact along its entire path and was last seen on the ground crossing Malta Road before it became rain-wrapped. Since the tornado did not produce damage to any qualified damage indicators, a peak wind speed could not be estimated, and thus this tornado has been rated as an EF-U.

.McHenry Tornado...

Rating: EF-1
Estimated Peak Wind: 90 mph
Path Length /statute/: 0.4 miles
Path Width /maximum/: 70.0 yards
Fatalities: 0
Injuries: 0

Start Date: 08/09/2021
Start Time: 04:45 PM CDT
Start Location: 1 ESE McCullom Lake / McHenry County / IL
Start Lat/Lon: 42.3622 / -88.2786

End Date: 08/09/2021
End Time: 04:46 PM CDT
End Location: 1 ESE McCullom Lake / McHenry County / IL
End Lat/Lon: 42.3622 / -88.2716

Survey Summary:

A brief tornado touched down at Petersen Farm on the north side of McHenry. The tornado tracked eastward and impacted a couple of townhouses along Evergreen Circle before lifting just before it reached the Home Depot store on Richmond Road. The tornado was on the ground for less than a minute, damaged a barn and ground marker at Petersen Farm, and caused some damage to sidings and porches, in addition to removing a portion of a roof at the townhouse complex along Evergreen Circle.

.Burlington Tornado...

Rating: EF-1
Estimated Peak Wind: 95 mph
Path Length /statute/: 3.8 miles
Path Width /maximum/: 100.0 yards
Fatalities: 0
Injuries: 0

Start Date: 08/09/2021
Start Time: 05:24 PM CDT
Start Location: 2 W Burlington / Kane County / IL
Start Lat/Lon: 42.0472 / -88.5905

End Date: 08/10/2021
End Time: 05:39 PM CDT
End Location: 2 ESE Burlington / Kane County / IL
End Lat/Lon: 42.0382 / -88.5185

Survey Summary:

A tornado touched down just east of the DeKalb-Kane county line just west of Plank Road. A garage door was blown in and several trees were uprooted at a residence just west of Engel road consistent with

an EF-1 rating. The tornado then tracked east along the south side of Plank Road, damaging a large farm outbuilding west of Lawrence Road. The tornado then curled southeast where it produced sporadic tree and crop damage along Waughon and Peplow Roads before lifting near the intersection of Burlington and Romke Roads.

.North of Creston Tornado...

Rating:	EF-0
Estimated Peak Wind:	85 mph
Path Length /statute/:	6.8 miles
Path Width /maximum/:	50.0 yards
Fatalities:	0
Injuries:	0
Start Date:	08/09/2021
Start Time:	05:28 PM CDT
Start Location:	5 NE Hillcrest / Ogle County / IL
Start Lat/Lon:	42.0024 / -89.0029
End Date:	08/09/2021
End Time:	05:47 PM CDT
End Location:	5 N Malta / DeKalb County / IL
End Lat/Lon:	42.0001 / -88.8703

Survey Summary:

This tornado developed immediately east of Interstate 39 near South Mulford Road and subsequently tracked eastward, paralleling Illinois Route 64. Damage to two farm outbuildings was noted, one on South Chamberlain Road and another on Edmond Road just east of the DeKalb County line. A video of the tornado shows that winds entered the building on the southwest facade which caused uplift of the roof and subsequent collapse of the walls. This damage, and damage to vegetation in the area, was consistent with a high-end EF-0 tornado with winds of around 85 mph. The tornado continued to track east, immediately to the north of Route 64. Storm chaser video shows that the tornado crossed Route 64 immediately east of Route 64 and continued east of Malta Road, where it produced some tree damage and dissipated.

.Paw Paw Tornado...

Rating:	EF-U
Estimated Peak Wind:	N/A
Path Length /statute/:	1.3 miles
Path Width /maximum/:	75.0 yards
Fatalities:	0
Injuries:	0
Start Date:	08/09/2021
Start Time:	06:03 PM CDT
Start Location:	2 NW Paw Paw / Lee County / IL
Start Lat/Lon:	41.7068 / -89.0050
End Date:	08/09/2021
End Time:	06:08 PM CDT
End Location:	2 N Paw Paw / Lee County / IL
End Lat/Lon:	41.7163 / -88.9825

Survey Summary:

Spotter reports and video footage indicate that this tornado touched down near Moffet Road just east of I-39 and northwest of Paw Paw. The tornado then tracked to the northeast and produced a

swath of damage in the corn fields between Moffet Road and Paw Paw Road before lifting soon after it crossed Paw Paw Road. Since the tornado did not produce damage to any qualified damage indicators, a peak wind speed could not be estimated, and thus this tornado has been rated as an EF-U.

.Sycamore to Virgil Tornado...

Rating:	EF-1
Estimated Peak Wind:	105 mph
Path Length /statute/:	7.8 miles
Path Width /maximum/:	150.0 yards
Fatalities:	0
Injuries:	0
Start Date:	08/09/2021
Start Time:	06:13 PM CDT
Start Location:	2 SE Sycamore / DeKalb County / IL
Start Lat/Lon:	41.9623 / -88.6706
End Date:	08/09/2021
End Time:	06:37 PM CDT
End Location:	4 NE Maple Park / Kane County / IL
End Lat/Lon:	41.9414 / -88.5226

Survey Summary:

This tornado was associated with the same storm that spawned the tornado north of Creston and touched down just west of Fenstermaker Road south of Bethany Road. There, it produced a very concentrated corridor of damage where two farm outbuildings were nearly completely destroyed. Several trees in the area had trunks snapped near their bases, and a single family residence exhibited some shingle loss along with two broken windows. This damage is consistent with a high-end EF-1 tornado. Drone footage indicates that the tornado quickly widened to 150 yards as it snaked east towards Airport Road where it produced additional EF-1 damage to trees and farm outbuildings. Damage then became sporadic in the vicinity of Lovell Road. Additional damage to trees occurred on Barber Greene Road just west of County Line Road. The tornado then tracked along Welter Road where it caused damage to several properties between Fabris and Meredith Roads before lifting due south of the town of Virgil.

Note: This tornado was not on the ground throughout its entire path, and its possible that this track may be split into more than one track pending assessment of additional aerial imagery.

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EF Scale: The Enhanced Fujita Scale classifies tornadoes into the following categories:

EF0...Weak.....	65 to 85 mph
EF1...Weak.....	86 to 110 mph
EF2...Strong....	111 to 135 mph
EF3...Strong....	136 to 165 mph
EF4...Violent...	166 to 200 mph
EF5...Violent...	>200 mph

NOTE:

The information in this statement is preliminary and subject to change pending final review of the events and publication in NWS Storm Data.

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NWS Chicago